Contents of Volume 31

Number 1, October 1988

Effect of DL-α-difluoromethylornithine on polyamine synthesis and interconversion in *Trichomonas vaginalis* grown in a semi-defined medium (MPB 01019)
N. Yarlett and C.J. Bacchi (U.S.A.) 1

Mitochondrial DNA of the human malarial parasite *Plasmodium falciparum* (MBP 01020)
M.J. Gardner, P.A. Bates, I.T. Ling, D.J. Moore, S. McCready, M.B.R. Gunasekera, R.J.M. Wilson and D.H. Williamson (U.K.) 11

Trypanosoma cruzi: elemental composition heterogeneity of cloned stocks (MBP 01021)
J.A. Dvorak, J.C. Engel, R.D. Leapman, C.R. Swyt and P.A. Pella (U.S.A.) 19

Nucleotide sequence analysis of an *Entamoeba histolytica* ferredoxin gene (MBP 01023)
M. Huber, L. Garfinkel, C. Gitler, D. Mirelman, M. Revel and S. Rozenblatt (Israel) 27

The secreted and somatic antigens of the third stage larva of *Anisakis simplex,* and antigenic relationship with *Ascaris suum, Ascaris lumbricoides,* and *Toxocara canis* (MBP 01022)
M.W. Kennedy, J. Tierney, P. Ye, F.A. McMonagle, A. McIntosh, D. McLaughlin and J.W. Smith (U.K.) 35

Glucose-6-phosphate dehydrogenase activity of the malaria parasite *Plasmodium falciparum* (MBP 01024)
I.T. Ling and R.J.M. Wilson (U.K.) 47

Purification, characterization, and immunochemical studies of β-*N*-acetyl-D-hexosaminidase from the parasitic nematode *Trichinella spiralis* (MBP 01025)
M.L. Rhoads (U.S.A.) 57

Purification of *Plasmodium falciparum* digestive vacuoles and partial characterization of the vacuolar membrane ATPase (MBP 01026)
I. Choi and J.L. Mego (U.S.A.) 71

Selective inhibition of *Leishmania* dihydrofolate reductase and *Leishmania* growth by 5-benzyl-2,4-diaminopyrimidines (MBP 01028)
W. Sirawaraporn, R. Sertsrivanich, R.G. Booth, C. Hansch, R.A. Neal and D.V. Santi (U.S.A., U.K.) 79

Binding of tritiated hycanthone and hycanthone *N*-methylcarbamate to macromolecules of drug-sensitive and drug-resistant schistosomes (MBP 01029)
L. Pica-Mattoccia, D. Cioli and S. Archer (U.S.A.) 87

Beta tubulin gene of the parasitic protozoan *Leishmania mexicana* (MBP 01030)
D. Fong and B. Lee (U.S.A.) 97

Number 2, November 1988

Metabolic studies of the protozoan parasite, *Crithidia luciliae*, using proton nuclear magnetic resonance spectroscopy (MBP 01031)
F.V. Gilroy, M.R. Edwards, R.S. Norton and W.J. O'Sullivan (Australia) 107

Production of a recombinant antigen of *Echinococcus multilocularis* with high immunodiagnostic sensitivity and specificity (MBP 01033)
M. Vogel, B. Gottstein, N. Müller and T. Seebeck (Switzerland) 117

Nucleoside analysis of DNA from *Trypanosoma brucei* and *Trypanosoma equiperdum* (MBP 01034)
M. Crozatier, R.J. De Brij, L. Den Engelse, P.J. Johnson and P. Borst (The Netherlands) 127

Nucleoside uptake in *Trypanosoma cruzi*: analysis of a mutant resistant to tubercidin (MBP 01035)
R.W. Finley, D.A. Cooney and J.A. Dvorak (U.S.A.) 133

Purification in a single step and kinetic characterization of the pyruvate kinase of *Trypanosoma brucei* (MBP 01036)
J.P. Barnard and P.L. Pedersen (U.S.A.) 141

Effects of antimycotic azoles on growth and sterol biosynthesis of *Leishmania* promastigotes (MBP 01037)
D.H. Beach, L.J. Goad and G.G. Holz, Jr. (U.S.A., U.K.) 149

Biochemical properties of a 24 kilodalton membrane glycoprotein antigen complex from *Schistosoma mansoni* (MBP 01038)
S.R. Karcz, B.J. Barnard and R.B. Podesta (Canada) 163

Solubilization of epicuticular antigen from *Dirofilaria immitis* third-stage larvae (MBP 01040)
M. Mok, R.B. Grieve, D. Abraham and W. Rudin (U.S.A., Switzerland) 173

Identification and localisation of the products of a putative eggshell precursor gene in the vitellarium of *Schistosoma mansoni* (MBP 01041)
B. Köster, H. Dargatz, J. Schröder, J. Hirzmann, C. Haarmann, P. Symmons and W. Kunz (F.R.G.) 183

Structure of a *Plasmodium falciparum* gene that encodes a glutamic acid-rich protein (GARP) *(Short Communication)* (MBP 01063)
T. Triglia, H.-D. Stahl, P.E. Crewther, A. Silva, R.F. Anders and D.J. Kemp (Australia) 199

Number 3, December 1988

Procyclin: an unusual immunodominant glycoprotein surface antigen from the procyclic stage of African trypanosomes (MBP 01042)
J.P. Richardson, R.P. Beecroft, D.L. Tolson, M.K. Liu and T.W. Pearson (Canada) 203

Identification of *Plasmodium knowlesi* erythrocyte binding proteins (MBP 01043)
L.H. Miller, D. Hudson and J.D. Haynes (U.S.A.) 217

MESA is a *Plasmodium falciparum* phosphoprotein associated with the erythrocyte membrane skeleton (MBP 01044)
R.L. Coppel, S. Lustigman, L. Murray and R.F. Anders (Australia) 223

Immunological identification of *Schistosoma mansoni* peptidases (MBP 01047)
M.J. Doenhoff, J. Modha, R.H.C. Curtis and G.O. Adeoye (U.K.) 233

Construction of *Onchocerca volvulus* cDNA libraries and partial characterization of the cDNA for a major antigen (MBP 01046)
J.E. Donelson, B.O.L. Duke, D. Moser, W. Zeng, N.E. Erondu, R. Lucius, A. Renz, M. Karam and G. Zea Flores (U.S.A., F.R.G., Burkina Faso, Guatemala) 241

Biochemical and immunochemical characterization of surface and excretory–secretory antigens of *Loa loa* microfilariae (MBP 01045)
T.G. Egwang, A. Dupont, J.P. Akué and M. Pinder (Gabon) 251

The identification and partial characterization of an immunodominant 29–31 kilodalton surface antigen expressed by adult worms of the human filaria *Loa loa* (MBP 01048)
T.G. Egwang, J.P. Akué, A. Dupont and M. Pinder (Gabon) 263

Acknowledgement 273